

## 1998 Flash Flood / River Flood Related Fatalities

In 1998, flooding (flash floods, river floods and urban/small stream floods) contributed to 136 fatalities, compared to 118 in 1997, a 13% increase. The 30-year average for flood deaths is 143. Of the 136 victims, 75 (55%) died in a vehicle and 25 (18%) were "in water." Flood-related fatalities are probably the most preventable. Most vehicular deaths occur when people attempted to drive across flooded roadways. Of the deaths classified as "in water," many of the victims left a stalled vehicle and were swept away by swift currents. Texas recorded the highest flood casualties, 41, followed by California with 17 and Missouri with 13. In Texas, 25 of the 41 flood deaths were related to the Great October Flood. Of the 136 flood deaths, 118 were caused by flash floods and 18 by river floods. Ninety-one (67%) fatalities were male while 44 (32%) were female. All age groups were affected by flooding/flash flooding.

### 1998 FLASH FLOOD / RIVER FLOOD FATALITIES BY STATE AND LOCATION

<u>STATE</u>	<u>BO</u>	<u>BU</u>	<u>CA</u>	<u>IW</u>	<u>MH</u>	<u>OT</u>	<u>PH</u>	<u>VE</u>	<u>TOTAL</u>
AL	0	0	0	1	0	1	0	5	7
AR	0	0	0	1	0	1	0	0	2
AZ	0	0	0	4	0	0	0	0	4
CA	0	0	1	3	0	3	2	8	17
GA	0	0	0	0	0	0	0	1	1
IL	0	0	0	0	0	1	0	0	1
IN	0	0	0	0	0	1	0	1	2
KS	0	0	0	0	0	0	0	3	3
KY	0	0	0	0	0	1	0	0	1
LA	0	0	0	1	0	0	0	0	1
ME	0	0	0	1	0	0	0	0	1
MN	0	0	0	0	0	0	0	2	2
MO	0	0	0	2	0	1	0	10	13
NH	0	0	0	0	0	0	1	0	1
NV	0	0	0	0	0	0	0	1	1
NY	0	2	0	0	0	1	0	0	3
OH	0	0	0	2	1	0	2	4	9
OK	0	0	0	1	0	0	0	1	2
OR	2	0	0	0	0	0	0	0	2
PR	0	0	0	2	0	0	0	1	3
SC	0	0	0	0	0	0	0	1	1
TN	0	0	0	1	0	0	0	9	10
TX	0	0	0	2	2	0	10	27	41
UT	0	0	0	3	0	0	0	0	3
VA	0	0	0	0	0	0	0	1	1
WI	0	0	0	0	0	2	0	0	2
WV	0	0	0	1	0	0	1	0	2
<b>TOTAL</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>25</b>	<b>3</b>	<b>12</b>	<b>16</b>	<b>75</b>	<b>136</b>
<b>PERCENT</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>18</b>	<b>2</b>	<b>9</b>	<b>12</b>	<b>55</b>	<b>99*</b>

(\* Due to rounding total does not equal 100%)

### 1998 FLASH FLOOD / RIVER FLOOD FATALITIES BY AGE AND GENDER

	<u>FEMALE</u>	<u>MALE</u>	<u>UNKNOWN</u>	<u>TOTAL</u>	<u>PERCENT</u>
0 TO 9	7	7	0	14	10
10 TO 19	6	13	0	19	14
20 TO 29	5	9	0	14	10
30 TO 39	4	15	0	19	14
40 TO 49	4	11	0	15	11
50 TO 59	6	7	0	13	10
60 TO 69	7	6	0	13	10
70 TO 79	3	15	0	18	13
80 TO 89	1	3	0	4	3
90 TO --	0	1	0	1	1
UNKNOWN	1	4	1	6	4
<b>TOTALS</b>	<b>44</b>	<b>91</b>	<b>1</b>	<b>136</b>	<b>100</b>
<b>PERCENT</b>	<b>32</b>	<b>67</b>	<b>1</b>	<b>100</b>	

#### LEGEND

**BO** - Boat  
**BU** - Business  
**CA** - Camping  
**IW** - In Water  
**MH** - Mobile Home  
**OT** - Other/Unknown  
**PH** - Permanent Home  
**VE** - Vehicle

## 1998 Flash Flood / River Flood Related Fatalities (Continued)

### 1998 FLASH FLOOD / RIVER FLOOD FATALITIES BY STATE

<u>STATE</u>	<u>FLASH FLOOD</u>	<u>RIVER FLOOD</u>	<u>TOTAL</u>
AL	7	0	7
AR	2	0	2
AZ	4	0	4
CA	11	6	17
GA	0	1	1
IL	0	1	1
IN	1	1	2
KS	2	1	3
KY	1	0	1
LA	0	1	1
ME	1	0	1
MN	2	0	2
MO	12	1	13
NH	1	0	1
NV	1	0	1
NY	1	2	3
OH	9	0	9
OK	2	0	2
OR	0	2	2
PR	3	0	3
SC	1	0	1
TN	10	0	10
TX	40	1	41
UT	3	0	3
VA	0	1	1
WI	2	0	2
WV	2	0	2
<b>TOTAL</b>	<b>118</b>	<b>18</b>	<b>136</b>
<b>PERCENT</b>	<b>87</b>	<b>13</b>	<b>100</b>

### 1998 FLASH FLOOD / RIVER FLOOD FATALITIES BY GENDER

	<u>FLASH FLOOD</u>	<u>RIVER FLOOD</u>	<u>TOTAL</u>	<u>PERCENT</u>
FEMALE	41	3	44	32
MALE	77	14	91	67
UNKNOWN	0	1	1	1
<b>TOTALS</b>	<b>118</b>	<b>18</b>	<b>136</b>	<b>100</b>
<b>PERCENT</b>	<b>87</b>	<b>13</b>	<b>100</b>	